

## **AMENDMENTS TO THE CLAIMS**

Please amend the claims as follows:

Claim 1. (Currently Amended) A display panel for amplifying light reflection intensity, the display panel comprising:

a substrate;

at least one protrusion disposed on a ~~[[face]]~~ surface of the substrate; ~~[[and]]~~

a light reflective layer deposited adjacent to the protrusion, wherein the protrusion amplifies light reflection intensity when light is reflect off the light reflective layer; and

a light shielding layer disposed on a surface of the light reflective layer opposite the at least one protrusion,

wherein the light reflective layer comprises programmable code information and the protrusion amplifies the light reflection intensity such that the programmable code information is optimally detected.

Claim 2. (Cancelled)

Claim 3. (Currently Amended) The display panel device of claim 1, wherein the programmable code information comprises at least one position sensing code.

Claims 4-5. (Canceled)

Claim 6. (Currently Amended) The display panel device of claim 1, wherein the protrusion is configured to optimally amplify light reflective intensity.

Claim 7. (Currently Amended) The display panel device of claim 6, wherein the protrusion comprises at least one arcuate protrusion or at least one angular protrusion.

Claims 8-13. (Cancelled)

Claim 14. (New) The display panel of claim 1, wherein the light reflective layer is disposed between the protrusions and the light shielding layer, such that the programmable code information is located between the protrusions and the light shielding layer.

Claim 15. (New) The display panel of claim 1, further comprising:  
a plurality of protrusions formed on a part of the surface of the substrate.

Claim 16. (New) The display panel of claim 1, further comprising:  
a plurality of protrusions formed on and throughout the surface of the substrate.

Claim 17. (New) The display panel of claim 1, wherein the substrate and the protrusion comprise the same material.

Claim 18. (New) The display panel of claim 1, wherein the substrate and the protrusion comprise different transparent materials.

Claim 19. (New) The display panel of claim 1, wherein the light reflective layer comprises at least one selected from a group consisting of Cr, Al, and Ag.

Claim 20. (New) A liquid crystal display panel comprising:  
a substrate;  
a plurality of protrusions disposed on a surface of the substrate;  
a light reflective layer disposed on the plurality of protrusions, wherein the light reflective layer comprises programmable code information;  
a light shielding layer disposed on a surface of the light reflective layer opposite the plurality of protrusions; and  
a plurality of color filters, wherein the color filters are spaced apart with the light shielding layer and the light reflective layer.

Claim 21. (New) The liquid crystal display panel of claim 20, wherein the programmable code information comprises at least one position sensing code.

Claim 22. (New) The liquid crystal display panel of claim 20, wherein the plurality of protrusions are at least one selected from a group consisting of arcuate protrusions and angular protrusions.

Claim 23. (New) The liquid crystal display panel of claim 20, wherein the light reflective layer is located between the plurality of protrusions and the light shielding layer, and thereby the programmable code information is located between the plurality of protrusions and the light shielding layer.

Claim 24. (New) The liquid crystal display panel of claim 20, wherein the plurality of protrusions are formed on a part of the surface of the substrate.

Claim 25. (New) The liquid crystal display panel of claim 20, wherein the plurality of protrusions are located on and throughout the surface of the substrate.

Claim 26. (New) The liquid crystal display panel of claim 20, wherein the substrate and the plurality of protrusions comprise the same material.

Claim 27. (New) The liquid crystal display panel of claim 20, wherein the substrate and the plurality of protrusions comprise different transparent materials.

Claim 28. (New) The display panel of claim 20, wherein the light reflective layer comprises at least one selected from a group consisting of Cr, Al, and Ag.

Claim 29. (New) The display panel of claim 1, further comprising:  
a plurality of light reflective layers disposed on a surface of the at least one protrusion;

a plurality of light shielding layers, wherein each light shielding layer is disposed on the surface of a light reflective layer opposite the at least one protrusion; and

a plurality of color filters, wherein the plurality of color filters are disposed on the surface of the substrate, and wherein at least one color filter is located between the plurality of light shielding layers and the light reflective layers.